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Reduction of Sponge Iron Using a Solid Agent in
Separate Layers.

HUTN, LISTY, No 7, 1971, pp 461-467
BISI 9822

Jan 1973

Processing of Waste Sludges in Sintering Plants,
by Z. Demcik,
CZECH, per. Hutn Listy, No 7, 1971, pp 468-472
BISI 9823

June 72

Roof Jets Employed for Blowing Powdered Substances
into the Bath of Steel-Making Furnaces, by

Z. Jasinsky.

CZECH, per, Huta Listy, No 7, 1971, pp 473-481.

BISI 9884

Jan 73

Properties of Heat-Treated, Low-Alloy Weldable
Structural Steels With High Yield Values at
Temperatures of up to 450°C, by M. Sicha.
CHECH, per, Hutn. Listy, No 7, 1971, pp 509-513.
BISI 9827

Oct 72

New Findings in the Properties of Solid Emissions from Metallurgical Coking Plants,
by V. Masek,
CZECH, per. Hutn. Listy, No 8, 1971,
pp 542-547.
BISI 9817

June 72

Possibilities of Dephosphorization in 75-Ton
Double-Hearth Furnace, by L. Kodrle,
CZECH, per. Hutn Listy, No 8, 1971, pp548-554.
BISI 9818

June 73

The Effect of Self-Diffusion Rate of Iron on
Hot-Forming Properties of Carbon Steels, by
J. Elfmark.
CZECH, per, Hutn. Listy, No 8, 1971, pp 555-559.
BISI 9819

Oct 72

Special Methods of Measurement and Devices
with Logical Elements, by K. Bocek,
CZECH, per. Hutn Listy, No 8, 1971, pp 566-569.
BISI 9820

June 72

Aluminium Coatings on Steel Compete with
Other Coatings, by J. Teindl,
CZECH, per. Hutn Listy, No 8, 1971, pp 570-576.
BISI 9821

June 72

Effect of Antimony and Tin on the Temper Brittleness,
by F. Benes.
CZECH, per, Hutn. Listy, No 9, 1971, pp 639-646.
BISI 10572.

Oct 72

The significance of the tandem steelmaking
process, by Z. Bohm.
CZECHOSLOVAKIA, per, Hutn. Listy, 1971,
No 10, pp 683-689.
BISI 9929

dec 72

Regulation of tension in continuous rolling,
by R. Polansky.
CZECHOSLOVAKIA, per, Hutn. listy, 1971,
No. 10, pp 701-707
BISI 9930

dec 72

Ingots With Liquid Core Raise Output of Soaking
Pits, by S. Cernoch.
CZECH, per, Hutn Listy, No 10, 1971, pp 714-715.
BISI 9931

Jan 73

J. Jech

Testing and Evaluating of the Quality of rolling-
contact-bearing Steels.

HUTNICKE LISTY, No 10, 1971, pp 716-723.

BISI-72-60868-11F

BISI 9932

Feb 1973

D. Kmetova

Decomposition of Calcium Chloride in Segregation
Roasting of Oxidic Nickel Ores.

HUTN. LISTY, 1971, Vol 10, pp 737-741

BISI 9934

Feb 73

CSSR-USSR Technical Cooperation in
Metallurgy Described, 7 pp.
GOVERNMENT USE ONLY
CZECH, per, Hutnické Listy, Prague, No 11,
1971, pp 761-763.
JPRS/L 4008

Jan 72

Vacuum treatment of rail sheet in iron
and steelworks of trinec, by
J. Smetana.
CZECHOSLAVAKIA, per, Hutn. Listy, 1971,
No. 11, pp 769-774.
BISI 10136

dec 72

B. Borsky.

Effect of Bath Temperature on Steel.
Dephosphorization in a Tandem Furnace.
HUTN. LISTY, 1971 Vol 11, pp 775-782
BISI 10137

Feb 73

J. Krusina

Surface Tension in Quaternary $\text{CaO-SiO}_2\text{-Al}_2\text{O}_3\text{-CaF}_2$
HUTN. LISTY., No 11, 1971, pp 783-786
BISI 10138

Jan 1973

Technological and Mechanical Factors Affecting
the Accuracy of Rolling, by O. Palzer.
CZECH, per, Hutn Listy, No 11, 1971, pp 787-796.
BISI 10139

Nov 72

L. Dobrovsky

On the Origin of Oxide Inclusions in the Fe-O-Al
System at a Temperature of 1,600°C

HUTN. LISTY, No 12, 1971, pp 844-848

BISI 10222

Jan 1973

K. Styblo

Criteria For Economic Use Of Working Rolls
In Continuous Cold Strip Rolling Mills.
Hutn. Listy, No. 12, 1971, pp 860-867
BISI 10223

Jan 1973

Effect of Tensile Stresses on the Progress of
an Isothermal Austenite Transformation, by
J. Koritta.
CZECH, per, Hutn Listy, No 12, 1971, pp 880-884.
BISI 10226

Nov 72

L. Kodrle

A Comparison of Reactions Between Slag and Steel in
Ladle during Tapping and Teeming of Rimming Steels
made in Fixed and Tilting Furnaces

HUTN. LISTY-No. 1, 1972, pp 1-19

BISI 10232

Jan 1973

The Effect of Coke Reactivity on its Consumption
in Blast Furnace Operation, by M. Prouza.
CZECH, per, Hutn Listy, No 1, 1972, pp 5-10.
BISI 10231

Jan 73

J. Hruby

Testing Thermal Fatigue of Cast Iron for Ingot Moulds.
HUTN. LISTY, 1972, pp 20-24.
BISI 10233

Feb 73

Technical and economic trends of steel
rolling, by B. Bukovsky.
CZECHOSLOVAKIA, per. Hutr. Listy, 1972,
No 1, pp 25-27.
BISI 10234

dec 72

Effect of non-uniform reheating of ingot
on rolling force, by M. Hajduk.
CZECHOSLOVAKIA, per, Hutn. Listy, 1972,
No 1, pp 28-30.
BISI 10235

dec 72

A. Zidek

Relationships Between Magnetic Properties And
Oriented Structure Of Transformer Steel Sheets

HUTN. Listy, No. 1, 1972, pp 39-41

BISI 15237

Jan 1973

V. Cihal.

The Corrosion And Structural Characteristics
Of Modified Creep-Resistant Chromium Steels'
Hutn. listy, No. 1, 1972, pp 42-48
BISI 10238

Jan 1973

Demand, Output of Nonferrous Metals Through
1990 Discussed, by Jiri Chvojka, 14 pp.

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CZECH, per, Hutnicke Listy, Prague, No 3,
Mar 72, pp 153-158.

JPRS/L 4182

Jun 72

The Effect of Titanium on Structure and Properties
of Cast High-Speed Steels With 9% W, by O. Kastanek.
CZECH, per, Hutn Listy, No 3, 1972, pp 172-173.
BISI 10792

Jan 73

Possibilities of Utilising Stabilised Steel and
Weld Metal for Work With Molten Metals, by
V. Cihak.

CZECH, per, Hutn Listy, No 3, 1972, pp 189-190.
BISI 10793

Jan 73

Facts on Liquid Phase in Sintering Siderite
Concentrate, by H. Ivova.
CZECH, per, Math. Listy, No 4, 1972, pp 233-238.
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Hearths Operating 23 Years, by J. Drabina.
CZECH, per, Hutn. Listy, No 4, 1972, pp 239-244.
BISI 10545

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CZECH, per, Hutn. Listy, No 4, 1972, pp 245-252.
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Specimens, by M. Horylova.
CZECH, per, Hutn. Listy, No 4, 1972, pp 271-273.
BISI 10542

Oct 72

Anisothermal Austenite Decomposition of 17124 Steel
For Forgings With Enhanced Yield Points, by
J. Sebotka.
CZECH, per, Hutn. Listy, No 4, 1972, pp 274-278.
BISI 10541

Oct 72

Effect of Silicon on Oxygen Activity and
Solubility in Iron at 1600 C, by M. Macoszek.
CZECH, per, Hutn. Listy, No 6, 1972, pp 394-400.
BISI 10742

Nov 72

Effect of Rolling Procedure in Roughing Trains
on Surface Quality of Semis for Seamless Tubes
by M. Zidek.
CZECH, par, Hutn. Listy, No 6, 1972, pp 401-406.
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Nov 72

Austenitic Mn-Cr 17-8-1 Steel - New Material
Types for Structures Operating at Low Temperatures,
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CZNSH, per, Hutn. Listy, No. 6, 1972, pp. 407-410.
BISKI 10744

Nov 72

Coating Steel Plate by PbSb or PbSn Alloy, by
J. Teindl.
CZECH, per, Hutn. Listy, No 6, 1972, pp 411-417.
BISI 10745

Nov 72

Fractographic Analysis of Delayed Fracture in Marten-
sitic Steels, by M. Velkobersky.
CZECH, per, Hutn. Listy, No 6, 1972, pp 418-23.
BINI 10746

Nov 72

Effect of Dew Point in Decarburizing Annealing
of Transformer Steel Sheets on Resulting
Magnetic Properties, by Zidek.
CZECH, per, Hutn. Listy., No 6, 1972. pp 424-428.
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Nov 72

Tasks of the Metallurgical Industry in 1965,
by Engr. Josef Krejci, 9 pp.
CZECH, per, Hutník, Vol 15, No 1, 1965,
pp 1-3.
GUO 640

EE-Czechoslovakia
Econ
Mar 65

276,237

The Utilisation of Sinter Bed Base
Layers in Iron Ore Sintering, by
V. Lukes, L. Chlebek.
CZECH, per, Hutnik, Vol 15, No 1,
1965, pp 4-7.
BISI 4736

Sci-Materials
Sept 66

310,363

A Comparison of Two and Four-Burner
Amco Soaking Pits From the Point of
View of Radiative Heat Transfer,
by L. Tomis.
CZECH, per, Hutník, Vol 15, No 2, 1965,
pp 70-73.
BISI 4737

Sci-Materials
Sept 66

310,364

Embrittlement of Steel. Part III,
by V. Koselev, S. Burda.
CZECH, per, Hutník (Prague), Vol 15,
No 2, 1965, pp 79-82.
HB 6505

EE-Czech
Sci/M&M
Jun 65

282,386

Design of Square Holes for Rimmed-steel
Ingot, by P. Morka.
CZSGL, per, hutnik (Prague), Vol 15, No 3,
1965, pp 113-116.
HB 6551

Sci/TQM
Nov 65

292,096

Defects of Annealed Low-Carbon Steel Strip,
Part I of 'Defects in the Heat Treatment of
Cold-Rolled Steel Strip', by V. Dedeck.
CZECH, per, Hutník (Prague) Vol 15, No 5, 1965, (1965)
pp 237-243.
HB 7016

Sci/Materials
Mar 67

318, 640

Tandem Furnaces, by A. Dittrich, O. Pavlik.
CZECH, per, Hutnik, (Prague), Vol 15, No 7,
1965, pp 268-272.
BISI 5200

319,345

Sci - Mechanical,
Civil, and Marine Engineering
Feb 67

Defects of Annealed High-Carbon Steel Strip.
Part II of 'Defects in the Heat Treatment of
Cold-Rolled Steel Strip', by V. Dedek.
CZECH, per, Hutník (Prague), Vol 15, No 10, 1965,
pp 445-450.
HB 7036

Sci/Materisla
Apr 67

322,443

Production of Complex Deoxidizers on
an Iron-Manganese-Silicon-Aluminum
Base, by M. Cervinka.
CZECH, per, Hutnik, Vol 15, No 11, 1965,
pp 481-485.
HB 6780

Sci-M&M
Jul 66

304,369

Effect of the Pouring Sequence on the
Structure of Rimmed-Steel Ingots, by
V. Parma.
POLISH, per, Hutnik (Prague), Vol 25, No 6,
1965, pp 232-233.
HB 6603

EE-Poland
Sci/M&M
Mar 66

297,199

Effect of Lance Inclination Angle Upon
the Amount of Splashing Produced by a
Gas Jet Impinging on the Surface of a
Liquid, by J. Aniola, A. Bien.
POLISH, per, Hutnik, Vol 32, No 2, 1965,
pp 35-38.
lib 6584

Sci-MEM
Aug 66

308,814

Installations for Continuous Casting of Alloy
Steels in the Baildon Metallurgical Plant,
by Karol Goryczka, Jan Labus, and Jan Tabor-
ski, 8 pp.

POLISH, per, Hutnik, No 2, Feb 1965, pp. 39-
44.

JPRS 30722

HB 6585

EE-Poland

Sci-M/N

Jul 65

282,909

The Bonus Problem in the Polish Metallurgical
Industry, by Alojzy Melich, 6 pp.
POLISH, per, Hutnik, No 2, Feb 1965, pp. 58-
61.
JPRS 30722

EE-Poland
Econ
Jul 65

232,910

Effect of Nitrogen Combined with Aluminum
on Certain Results in the Cold and Hot
Working of Steel, by St. Orzechowski.
POLISH, per, Hutnik, Vol 32, No 4, 1965. pp. 125-134
HB 6640

Sci-M&M
May 66

300,979

Determination of the Hydrogen Content of
Metals by the Chromatographic Method of
Analysis of Gases After Their Extraction
in High Vacuum, by Z. Falecki.
POLISH, per, Hutnik (Poland), Vol 32,
No 4, 1965, pp 143-149/
HB 6641

EE-Poland
Sci/M&M
Jan 66

294,667

Mechanical Removal of Scale From Rolled Steel
Rod of High Carbon Content by Bending and Brushing,
by M. Wasowski.
GERMAN, per, Hutnik, Vol 32, No 5, 1965,
pp 180-184.
GB 121

Sci/Mech
July 69

386-836
~~386-031~~

Metallurgical Value and Domestic Prices
of Imported Ores, by Tadeusz Dankowski,
7 pp.
POLISH, per, Hutnik, No 9, Sept 1965,
pp. 274-277.
JPRS 33045

EE-Poland
Econ
Dec 65

292,381

Assessment of Effect of Vacuum Degassing on the
Nonmetallic Inclusion Content of Steel, by
T. Mazanek, K. Mamro, et al.
POLISH, per. Hutnik (Poland), Vol 32, No 9, 1965
pp 309-315.
HB 6774

Sci/Materials
Dec 66

314,338

Perzyk Hardness Tester, by M. Husial, 1 p.
POLISH, per, Rutnik, Vol 32, No 9, 1965,
pp 345-346.
OFSTI TT 67-56050

Sci/Math & Equip
Sep 68

363,258

Trends in the Development of High-Speed
Cutting Steel, by Prof. Dr. Engr. Edward
Zmihorski, 11 pp.
PGLISS, per, Hutnik, Vol 32, No 10, Oct 1965,
pp. 353-361.
JPRS 33225

EE-Poland
Econ
Dec 65

293,549

Some Phenomena in the Infiltration of Porous
Skeletons with Liquid Metal, by J. Frydrych,
J. Lezanski, W. Rutkowski.
POLISH, per, Hutnik, Vol 32, No 10, 1965,
pp 369-375.
HB 6793

Sci - Mech
Aug. 67

338,564

Effect of Vacuum Decarburization in Ladle and Remelting
in Vacuum Arc Furnace Upon the Quality of Ball
Bearing Steel, by W. Luty.
POLISH, per. Hutnik, Vol 32, No 11, 1965, pp 383-
394.
HB 6818

Sci/Mat
Feb 68

345,453

Photometric Determination of Traces of Lead
in Pig Iron, Foundry Iron and Steel, by J.
Jurezyk.

POLISH, per, Hutnik (Poland), Vol 32, No 11,
1965, pp 394-398.

WBI 5320

Sci - Materials
Jan 67

Determination of the Level of the Liquid
Steel in the Mold During Continuous
Casting, by Z. Cerowski et al.
POLISH, per, Hutnik, Vol 32, No 12,
1965, pp 419-422.
HB 6836

Sci-M&M
May 66

300,992

Effect of Length and Temperature of Ingot Mold
on the Location of Subcutaneous Blowholes in
Rimmed-Steel Ingots, by V. Parma.
CZECU, per, Hutník, Vol 16, No 2, 1966, pp 72-74.
iB 6895

Sci/Materials
Jan 67

317,941

Flattening Wire to Produce Strips with Rounded
Edges, by F. Wiesner, E. Tichopadova.
OZBCH, per, Matrik, Vol 16, No 2, 1966, pp 76-
79.
BIBL 5284

Sci-Mat
Feb 68

349,020

Defects of Quenched and Tempered High-Carbon
Steel Strip. Part 3 of 'Defects in the Heat
Treatment of Cold-Rolled Steel Strip', by
V. Dedek.
CZECH, per Hutník (Prague), Vol 16, No 2, 1966,
pp 87-92.
HB 7037

Sci/Materials
Jun 67

326,782

Problems Involved in Manufacturing Free-Cutting
Steel of High Machinability, by J. Devar.
CZECH, per, Hutník (Prague), Vol 16, No 3,
1966, pp 119-124.
RISI 5042

314,502

Sci - Mechanical, Industrial
Civil, and Marine Engineering
Dec 66

Welded Casting Moulds of Copper, by V. Ledvinka.
CZECH, per, Hutník (Prague), Vol 16, No 6, 1966,
pp 276-286.
IB 6950

Sci/Materials
Jan 67

316,221

Longitudinal Cracks in Chilled Cast-Iron Balls, by
R. Kamensky, J. Piskor.
CZECH, par, Hutník, Vol 16, No 6, 1966, pp 289-292.
BISI 7645

Sci-Hat
June 70

Hot Workability of Carbon Steels, by M. Zidek.
CZECH, per, Hutník, Vol 16, No 8, 1966, pp 385-
388.
BISI 5917.

Sci/Mat
June 68

358,484

Ultrasonic Inspection of Casting Ladle Stoppers,
by A. Konvicka, O. Musilova.
CZECH, per, Hutník (Prague), Vol 16, No 10, 1966,
pp 475-478.
HB 7038

Sci/Materials
Mar 67

318,622

Reheating and Shaping of Ingots of Roller-Bearing
Steel, by J. Jech & P. Huml.
CZECH, per. Habak, Vol 16, No 10, 1966, pp 486-
488,
HB 7041

Sci/Mat
Feb 68

349,454

Prospects and Opportunities to Intensify
Steel-Making Processes in Poland, by Tadeusz
Mazanek and Stanislaw Tochowiec, 12 pp.
POLISH, per, Hutnik, Vol. XXXIII, No 1, Jan
1966, pp. 31-34.
JPRS 35349

EE-Poland
Econ
May 66

300,162

Controlled Desulphurisation of Steel in the
Open-Hearth Furnace, by E. Mamro, T. Manasek.
POLISH, per, Hutnik, Vol 33, Mar 1966,
pp 77-82.
BISI 5313

321,797

Sci - Materials
Apr 67

Infiltration of Copper and Brass into
Sintered Iron Compacts, by St. Stolarz.
POLISH, per, Hutnik, Vol 33, No 3, 1966,
pp 87-95.
HB 6896

Sci-Materials
Oct 66

310,524

Effect of Some Factors on the Quality for
Self-Fluxing Sinter, by E. Mazurek, S.
Jasienska.

POLISH, per, Hutnik (Polish), No 5, 1966,
pp 163-170.

BIBI 5155

314,782

Sci - Materials
Jan 67

A Study of the Causes of Blast-Furnace
Brick Failure, by E. Mazanek, M. Wyderko,
J. Bolland.
CZECH, per, Hutnik. Katowice, Vol 33, No
6, 1966, pp. 201-12.
NTC 69-11643-11B

Sci-Mat
July 69

386,656

Achievements and Goals of the Metallurgical
Industry, J. Hrynkiwica, 10 pp.
POLISH, per. Hutnik. No 7-8, Jul-Aug 1966,
pp. 265-269.
JPRS 37761

EE-Poland
Eoon
Oct 66

311,823

Investigation of the Crystallization Process of
 $\text{Fe SO}_4 \cdot 7\text{H}_2\text{O}$ from Waste Pickle Liquor in the Vacuum
Crystallizer System, by Z. Kubas, et al.

POLISH, per, Hutnik, Vol 33, No 7-8, 1966, pp 294-
299.

BISI 6987

Sci-Phys

June 70

Non-metallic Inclusions in Vacuum-cast or De-
gassed Steel, by M. Krucinski.
POLISH, per, Hutnik, Vol 33, No 10, 1966,
pp 401-406.
BISI 5435

Sci/Materials
Jul 67

329,343

Investigation Into the Length of Secondary
Contraction Cavities in Killed Steel Ingots
Cast By the Syphon method in Ingot Moulds
Tapering Upwards and Having Feeder Heads, by
N. Hansel.
POLISH, per, Hutnik, No 11, 1966, pp 456-461.
BISI 5625.

Sci - Mat

Aug 67

340.072
Sept

Sulfur Content in Domestic Iron Ores and in
Krupp-Renn Sponge Iron, by B. Barczyk and H.
Cierpial, 13 pp.
POLISH, per. Hutnik, No 1, Jan 1967. pp. 23-28.
JPRS 40589

EE-Poland
Sci Materials
May 67

325,357

Conference on Development of the Metallurgical
Industry, by J. Becvar, V. Lukes and Z. Volf,
11 pp.

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CZECH, per, Hutník, No. 1, Jan 1967, pp. 35-39.
JPRS GUO 2326

EE-Czech

Econ

Apr 67

321,103

Twenty Years of Existence of the Research Institute for Metals, by Dr. Vladimír Sedláček, 5 pp.
GOVERNMENT USE ONLY
CZECH, per, Hutník, No. 1, Jan 1967, pp. 38-39.
JPRS GUO 2326

EE-Czech
Econ
Apr 67

321,104

Effect of Temperature and Shape Factor $[(H/D)$
Ratio/ of Ingots Upon Closing up of Internal
Defects in Forgings, by B. Sommer & L. Jilek.
CZECH, per, Hutník, Vol 17, No 7, 1967, pp 341-
344.

HB 7275

Sci/Mat
Feb 68

349,469

The Production of High-Basicity Sinter, by Zd.
Kocourek,
CZECH, per, ~~Hitnik~~, Vol 17, No 8, 1967, pp 371-
372.
HB 7273

Sci/Mat
Feb 68

349,479

CZECH

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Evaporation of lead during the re-melting of
NiCr20Ti3AlB alloy in a vacuum-arc furnace, by
Karel Protiva.

Hutník, Vol 17, No 8, 1967, pp 375-378.

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from a Solidifying Rimmed Steel Ingot, by V.
Paras and St. Wildmann.
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435.
HB 7368

Sci-Hat
Apr 68

352.191

The Influence of Bonding Materials on the Sinter-
ing of Ore and on the Economics of the Process,
by J. Horvath and S. Szucs.
POLISH, per, Hutnik, Vol 34, No 1, 1967,
pp 143-148.
BISI 8701

sci/mat
Feb 71

Investigations of the Kinetics of Decidation of
Steel by Precipitation, by K. Sano, J. Taborski.
POLISH, per, Hutnik, Vol 34, No 7-8, 1967,
pp 302-307.
ALSI 6255

sci/ materials
sept 69

393,015

Study of the Effectiveness of Sinter Cooling,
by H. Szpila

POLISH, per, Hutnik, Vol 34, No 12, 1967,
pp 553-557.

BISI 6519

NLL Ref: 7012 00 (6-519)

Sci-Materials

Feb 69

369,573